



Biogas Plant Tours

When: 22nd May

Times: 10.00am, 11.00am, 2.30pm and 3.30pm - Each tour has max capacity of 12 people. Each tour will take approximately 30-45 minutes depending on questions.

Where: AD Plant onsite at P&J Live – Exact meeting location will be disclosed on sign up

What: Tour an AD Plant! As part of the overall design of the TECA development the development has an AD facility embedded in its design. P&J Live have their own energy centre which utilises CHP technology and Hydrogen fuel cells to supply electricity and heat/cooling to P&J live and the associated hotel infrastructure. The AD facility is designed to utilise energy crops, distillery, agricultural and liquid food derived wastes, which is then digested in an anaerobic plant and the resulting biogas is upgraded to Biomethane by the removal of the CO₂ and injected into the national grid. The design includes a dedicated pipeline to the Energy Centre but currently isn't utilised as the RHI does not include subsidies for direct on site use. Therefore, at this time commercially it is uneconomic to do so. Hopefully the regulations will change in the future to allow this to be implemented.

Aberdeen City Council is providing a limited number of tours to the onsite plant to give our ADBA Scottish Conference 2024 delegates the chance to see an AD plant in-situ.

Information on the Plant:

The plant was designed, constructed and commissioned by Thoeni under an EPC contract direct with ACC. The plant includes a dedicated combined heat and power (CHP) unit from 2g which provides heat and power to operate the facility including the primary and secondary digesters and the gas upgrade equipment supplied by HZI. The digestate remaining after processing is separated into solid and liquid fractions then returned to the soil as a fertiliser/conditioner by Sinclair Agricultural Services Ltd, completing the cycle. The facility is operated by one of the UK's leading operators Future Biogas under a long-term agreement with ACC.

ACC are discussing with various parties for the installation of CO₂ capture equipment. To further enhance the drive towards net zero.